

The Intellitron AB-1612 Universal Vertical Tilt Base is designed to help you safely assemble and adjust your vertical antenna on the ground, then easily raise it into its vertical operating position. Made from durable 1/8-inch aluminum plate, the AB-1612 features pre-punched mounting holes that accommodate most common U-bolt sizes for antenna masts up to 2-1/4 inches in diameter. Additionally, you can directly bolt many popular vertical antennas using insulated base brackets to the tilt plate, eliminating the need for U-bolts (compatible with antennas such as Hy-Gain AV18VS, AV18AVQII, AV14AVQ, AV12AVQ, DX-88, etc.). The AB-1612 also has extra bolt holes for connecting a ground rod or radial system.

INSTALLATION INSTRUCTIONS

Before assembling your Intellitron AB-1612, please refer to the parts list at the end of this manual to ensure all items are included.

1. Base Bracket Installation:

- Find the two 2-1/4" U-bolts and 3/8" hardware.
- Attach the base bracket (the wider of the two mounting plates) securely to your base support.

2. Tilt Bracket Installation:

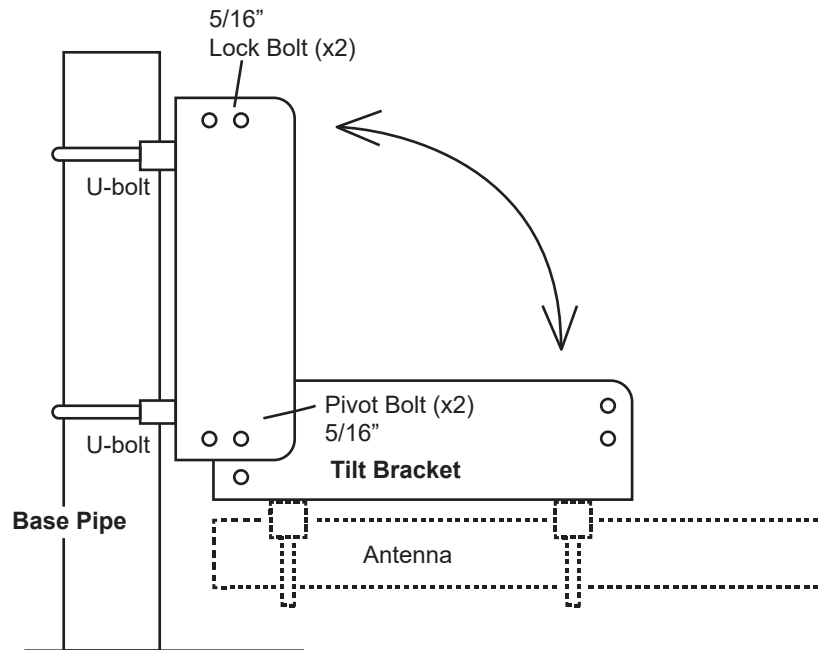
- Find two 5/16" bolts and hardware.
- Attach the tilt bracket (the narrower plate) to the base bracket's pivot point, as shown in the diagram.
- **Note:** Do not over-tighten; the tilt bracket should remain movable.

3. Support Mast Installation:

- Using your antenna's mounting hardware, install the support mast (or insulated bracket) onto the face of the tilt bracket.

4. Lock Tilt Bracket:

- After raising the antenna to its vertical position, lock the tilt bracket to the base bracket using the remaining two 5/8" bolts and hardware.
- **Important:** Check and re-tighten all the hardware to ensure everything is secure.



BASE SUPPORT

The base support pipe (not included) should be made of thick-walled steel or aluminum tubing and extend at least 3 to 4 feet below ground. For multi-band verticals, we recommend placing the pipe in a 10-inch diameter posthole filled with ready-mix concrete to ensure stability.

Safety Note: Always position the antenna base support well away from power lines or neighboring property to prevent any risk of electric shock or liability.

PARTS LIST

Check your Intellitron AB-1612 package for the following items:

- (1) Base bracket
- (1) Tilt bracket
- (4) 2-1/4" x 3/8" U-bolts
- (4) 2-1/4" Mast Saddles
- (8) 3/8" Nuts
- (8) 3/8" Flat washers
- (8) 3/8" Split lock washers
- (4) 5/16" x 3/4" Bolts
- (4) 5/16" Nuts
- (4) 5/16" Flat washers
- (4) 5/16" Split lock washers



TWO YEAR LIMITED WARRANTY

This Limited Product Warranty is provided by the Dealer where your Intellitron product was purchased. The Product Warranty extends only to the original purchaser of the product and is valid for a period of two years from the date of purchase. Please keep your dated sales receipt as evidence of the date of purchase. You will need it to receive warranty service. Your Dealer warrants the product will be free from defects in workmanship and materials under normal use. If the product fails to conform to the warrant and is within the warranty period of two years, contact your original dealer for a return authorization. Your dealer may choose to either repair or replace the non-conforming product.